

Form PTO-1449
(Rev. 8-83)

U.S. Department of Commerce
Patent and Trademark Office

Atty Docket 0756-2394

Serial No. Unassigned

INFORMATION DISCLOSURE STATEMENT

Applicants: Hongyong ZHANG et al.

Filing Date:

Group Art Unit:
Unassigned

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BK	4,198,246	04/15/1980	Wu			
BK	4,331,485	05/25/1982	Gat			
BK	4,351,856	09/28/1982	Matsui et al.			
BK	4,394,191	07/19/1983	Wada et al.			
BK	4,482,395	11/13/1984	Hiramoto			
BK	4,536,251	08/20/1985	Chiang et al.			
BK	4,582,395	04/15/1986	Morozumi			
BK	4,654,959	04/07/1987	Takafuji et al.			
BK	4,727,044	02/23/1988	Yamazaki			
BK	4,741,601	05/03/1988	Saito			
BK	4,778,258	10/18/1988	Parks et al.			
BK	4,951,113	08/21/1990	Huang et al.			
BK	4,963,503	10/16/1990	Aoki et al.			
BK	5,032,531	07/16/1991	Tsutsui et al.			
BK	5,064,775	11/12/1991	Chang			
BK	5,112,764	05/12/1992	Mitra et al.			
BK	5,147,826	09/15/1992	Liu et al.			
BK	5,200,846	04/06/1993	Hiroki et al.			
BK	5,202,274	04/13/1993	Bae et al.			
BK	5,219,786	06/15/1993	Noguchi			
BK	5,231,039	07/27/1993	Sakono et al.			
BK	5,262,654	11/16/1993	Yamazaki			
BK	5,272,361	12/21/1993	Yamazaki			
BK	5,275,851	01/04/1994	Fonash et al.			
BK	5,278,093	01/11/1994	Yonehara			
BK	5,287,205	02/15/1994	Yamazaki et al.			
BK	5,289,030	02/22/1994	Yamazaki et al.			
BK	5,292,675	03/08/1994	Codama			
BK	5,294,555	03/15/1994	Mano et al.			
BK	5,300,187	04/05/1994	Lesk et al.			

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09/99/492
U.S. PTO

Examiner *Brook Kekede*

Date Considered *July 2, 2003*

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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BK	5,306,651	04/26/1994	Masumo et al.				
BK	5,308,998	05/03/1994	Yamazaki et al.				
BK	5,313,076	05/17/1994	Yamazaki et al.				
BK	5,316,960	05/31/1994	Watanabe et al.				
BK	5,317,432	05/31/1994	Ino				
BK	5,318,661	06/07/1994	Kumomi				
BK	5,318,919	06/07/1994	Noguchi et al.				
BK	5,320,973	06/04/1994	Kobayashi				
BK	5,323,042	06/21/1994	Matsumoto				
BK	5,326,712	07/05/1994	Bae				
BK	5,341,012	08/23/1994	Misawa et al.				
BK	5,352,291	10/04/1994	Zhang et al.				
BK	5,366,922	11/22/1994	Aoki et al.				
BK	5,373,803	12/20/1994	Noguchi et al.				
BK	5,397,718	03/14/1995	Furuta et al.				
BK	5,403,762	04/04/1995	Takemura				
BK	5,403,772	04/04/1995	Zhang et al.				
BK	5,426,064	06/20/1995	Zhang et al.				
BK	5,481,121	01/02/1996	Zhang et al.				
BK	5,488,000	01/30/1996	Zhang et al.				
BK	5,492,843	02/20/1996	Adachi et al.				
BK	5,501,989	03/26/1996	Takayama et al.				
BK	5,508,533	04/16/1996	Takemura				
BK	5,523,257	06/04/1996	Yamazaki et al.				
BK	5,529,937	06/25/1996	Zhang et al.				
BK	5,531,182	07/02/1996	Yonehara				
BK	5,534,716	07/09/1996	Takemura				
BK	5,543,352	08/06/1996	Ohtani et al.				
BK	5,563,426	10/08/1996	Zhang et al.				
BK	5,569,610	10/29/1996	Zhang et al.				
Examiner <i>Brook K. K. K.</i>				Date Considered <i>July 2, 2003</i>			
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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
BU	5,569,936	10/29/1996	Zhang et al.				
BU	5,572,046	11/05/1996	Takemura				
BU	5,580,792	12/03/1996	Zhang et al.				
BU	5,585,291	12/17/1996	Ohtani et al.				
BU	5,589,694	12/31/1996	Takayama et al.				
BU	5,595,923	01/21/1997	Zhang et al.				
BU	5,595,944	01/21/1997	Zhang et al.				
BU	5,604,360	02/18/1997	Zhang et al.				
BU	5,605,846	02/25/1997	Ohtani et al.				
BU	5,606,179	02/25/1997	Yamazaki et al.				
BU	5,608,232	03/04/1997	Yamazaki et al.				
BU	5,612,250	03/18/1997	Ohtani et al.				
BU	5,614,426	03/25/1997	Funada et al.				
BU	5,614,733	03/25/1997	Zhang et al.				
BU	5,616,506	04/01/1997	Takemura				
BU	5,620,910	04/15/1997	Teramoto				
BU	5,621,224	04/15/1997	Yamazaki et al.				
BU	5,624,851	04/29/1997	Takayama et al.				
BU	5,637,515	06/10/1997	Takemura				
BU	5,639,698	06/17/1997	Yamazaki et al.				
BU	5,643,826	07/01/1997	Ohtani et al.				
BU	5,646,424	07/08/1997	Zhang et al.				
BU	5,654,203	08/05/1997	Ohtani et al.				
BU	5,656,825	08/12/1997	Kusumoto et al.				
BU	5,663,077	09/02/1997	Adachi et al.				
BU	5,677,240	10/14/1997	Murakami et al.				
BU	5,677,549	10/14/1997	Takayama et al.				
BU	5,696,386	12/09/1997	Yamazaki				
BU	5,696,388	12/09/1997	Funada et al.				
BU	5,700,333	12/23/1997	Yamazaki et al.				
Examiner <i>Brook Kehade</i>				Date Considered <i>July 2, 2003</i>			
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U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)	
BK	5,705,829	01/06/1998	Miyanaga et al.				
BK	5,712,191	01/27/1998	Nakajima et al.				
BK	5,756,364	05/26/1998	Tanaka et al.				
BK	5,804,471	09/08/1998	Yamazaki et al.				
BK	5,869,363	02/09/1999	Yamazaki et al.				
BK	5,888,857	03/30/1999	Zhang				
BK	5,888,858	03/30/1999	Yamazaki et al.				
BK	5,897,347	04/27/1999	Yamazaki et al.				
BK	5,985,740	11/16/1999	Yamazaki et al.				
FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No	
BK	0 390 608	10/03/1990	EP			Full Eng	
BK	01-187814	07/27/1989	JP			Full Eng	
BK	01-212431	08/25/1989	JP			Eng Abst	
BK	01-270309	10/27/1989	JP			Eng Abst	
BK	02-033934	02/05/1990	JP			Eng Abst	
BK	02-094519	04/05/1990	JP			Eng Abst	
BK	02-140915	05/30/1990	JP			Full Eng	
BK	02-202028	08/10/1990	JP			Eng Abst	
BK	02-260524	10/23/1990	JP			Eng Abst	
BK	03-011618	01/18/1991	JP			Eng Abst	
BK	04-152624	05/26/1992	JP			Eng Abst	
BK	04-186734	07/03/1992	JP			Eng Abst	
BK	04-206836	07/28/1992	JP			Eng Abst	
BK	04-206837	07/28/1992	JP			Eng Abst	
BK	04-362616	12/15/1992	JP			Eng Abst	
BK	05-013442	01/22/1993	JP			Eng Abst	
BK	05-218428	08/27/1993	JP			Eng Abst	
BK	05-335334	12/17/1993	JP			Eng Abst	
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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
BK	2 171 844 A	09/03/1986	UK			Full Eng	
BK	44-015736	07/12/1969	JP			Eng Abst	
BK	45-022173	07/27/1970	JP				X
BK	58-040820	03/09/1983	JP			Eng Abst	
BK	58-052843	03/29/1983	JP			Eng Abst	
BK	60-105216	06/10/1985	JP			Eng Abst	
BK	60-154660	08/14/1985	JP			Full Eng	
BK	61-030023	02/12/1986	JP			Eng Abst	
BK	61-063017	04/01/1986	JP			Eng Abst	
BK	61-166528	10/16/1986	JP			Eng Abst	
BK	61-234027	10/18/1986	JP			Eng Abst	
BK	61-253855	11/11/1986	JP			Eng Abst	
BK	62-298151	12/25/1987	JP			Eng Abst	
BK	63-142807	06/15/1988	JP			Eng Abst	
BK	63-194326	08/11/1988	JP			Eng Abst	
BK	63-283013	11/18/1988	JP			Eng Abst	

OTHER DOCUMENT (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	
BK	Wolf et al., "Silicon Processing for the VLSI Era", pp. 176-177, 1986, Lattice Press, Vol 1
BK	Liu et al., "Polycrystalline Silicon Thin Film Transistors on Corning 7059 Glass Substrates Using Short Time, Low-Temperature Processing", pp. 2554-2556, May 17, 1993, Appl. Phys. Lett. 62 (20)
BK	Hirano et al., "Low Temperature Activation Method of Poly-Si Films Using Rapid Thermal Annealing", pp. 119-126, 1997, Microelectronics Research Center, SANYO Electric Co., Ltd., SPIE Vol. 3014
BK	Kugimiya et al., "CW Laser Annealing of Polycrystalline Silicon on SiO ₂ and Effects of Successive Furnace Annealing", January 1992, pp. L19-L21, Jpn. J. Appl. Phys. Vol.21, No. 1
BK	Wolf et al., "Silicon Processing for the VLSI Era", 1986, pp. 176-177, Lattice Press, Vol. 1: Process Technology
BK	Thompson et al., "Silicide Formation in Pd-a-Si:H Schottky Barriers", pp. 274-276, August 1981, Appl Phys. Lett., Vol. 39, No. 3
BK	Nemanich et al., "Initial Phase Formation at the Interface of Ni, Pd, or Pt and Si", 1984, Mat. Res. Soc. Symp. Proc., Vol. 25
BK	Nemanich et al., "Structure and Growth of the Interface of Pd on a-SiH", pp. 6828-6831, June 15, 1981, The American Physical Society Physica Review, Vol. 22, No. 12

Examiner

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OTHER DOCUMENT (Including Author, Title, Date, Pertinent Pages, Etc.)					
Examiner Initial					
BU	Hempel et al., "Needle-Like Crystallization of Ni Doped Amorphous Silicon Thin Films", pp. 921-924, 1993, Solid State Communications, Vol. 85, No. 11				
BU	Dvurechenskii et al., "Transport Phenomena in Amorphous Silicon Doped by Ion Implantation of 3d Metals", pp. 635-640, 1986, Akademikian Lavrentev Prospekt 13, 630090 Novosibirsk 90, USSR				
BA	Wolf et al., "Silicon Processing for the VLSI Era", pp. 308-309, 1986, VLSI, Vol. 1				
BU	Morozumi, "1985 International Display Research Conference, Active Matrix Addressed Liquid-Crystal Displays", pp. 9-13, 1985, IEEE, CH 2239-2/85/0000-0009				
BU	Kawachi et al., "Large-Area Doping Process for Fabrication of Poly-Si Thin Film Transistors Using Bucket Ion Source and XeCl Excimer Laser Annealing", pp. L2370-L2371, December 1990, Jpn J. Appl. Phys. 29(12) L2370				
BU	Tokuyama et al., (title unknown), pp. 253, 1989, VLSI (in Japanese)				
BU	Hayzelden et al., "In Situ Transmission Electron Microscopy Studies of Silicide-Mediated Crystallization of Amorphous Silicon", pp. 225-227, 1992, Appl Phys. Lett., 60(2)				
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Serial No. 09/993,492

INFORMATION DISCLOSURE STATEMENT

Applicants: Hongyong ZHANG et al.

Filing Date: November 27, 2001

Group Art Unit: 2823

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
<i>BM</i>	4,693,759	09/15/1987	Noguchi et al.			
<i>BM</i>	4,847,211	07/11/1989	Lee			

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FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
BN	02-027320	01/30/1990	JP			Full Eng	
BN	02-228043	09/11/1990	JP			Eng Abst	
BN	63-056912	03/11/1988	JP			Eng Abst	

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